

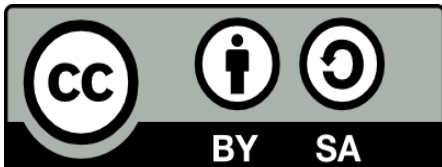
# An Introduction

## Security: Techniques & Planning

Who: Stan Osborne

Where: OMNI Ballroom, Oakland, California

When: January 27th, 2015, 7pm-9pm



Stan Osborne, 1997-2015

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## **Security: Techniques & Planning**

# **Security**

Our personal sense of security affects our well being.

## **Security: Techniques & Planning**

# **Security**

Complex; Varies from place to place; Partially defined by local culture / community

## **Security: Techniques & Planning**

# **Security**

When well defined objectives are met through the appropriate use of controls and defenses to deter and prevent vulnerabilities to assets.

## **Security: Techniques & Planning**

# **Assets**

- People (volunteers, visitors, ...)
- Hardware (hard to change)
- Software (easy to change)
- Information

## **Security: Techniques & Planning**

# **Vulnerabilities**

Each vulnerability is one or more threat applied to one or more asset in a way that prevents security.

# **Security: Techniques & Planning**

## **Threats**

interception  
interruption  
modification  
fabrication

# **Security: Techniques & Planning**

## **Objectives**

integrity

availability

secrecy/confidentiality



# Security: Techniques & Planning

## Controls

- trust - the expectation of a good outcome, while accepting the risk of a bad outcome.
- access rights
- access lists
- authentication
  - Identity information
  - Certification
  - Signature

# **Security: Techniques & Planning**

# **Defense**

Deny any of Method, Opportunity or Motive.

## **Techniques:**

- policy & procedures
- tust & enforcement
- use of encryption
- use of controls
- overlap
- logging
- review

# **Security: Techniques & Planning**

## **Planning**

A cyclical activity to describe current state, resources and methods along with guidance for change and improvement.

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